

C L A I M S

1. Method of floor shallow foundation in which the floor subsoil for buildings, particularly halls and assembly shops, is built on made-up earth base course (1), when the floor is shallow founded in that way that the first floor layer (5) from concrete-based material is laid on modified background, **characterized by that** at least one layer of cellular foil (3) in unfolded state is laid down onto the background before laying down the first floor layer (5), then this cellular foil (3) is overfilled with fill (4) from loose material reaching at least up to the height of the cellular foil (3), thus filling the cavities in its chambers, the fill (4) is compacted and the first floor layer (5) is laid down only now onto this compacted fill (4).

2. Method of floor shallow foundation according to the claim 1, **characterized by that** before laying down the cellular foil (3), the earth base course (1) is equipped with at least one pad from loose material on the basis of gravel and/or sand, which is then compacted, and thus bedding (2) for cellular foil (3) is created.

3. Method of floor shallow foundation according to the claim 2, **characterized by that** bedding (2) of grain size finer than the fill (4) is used, preferentially sand.

4. Method of floor shallow foundation according to the claims 1 to 3, **characterized by that** during building the floor subsoil, some layer, preferentially the one under the cellular foil (3), is equipped with at least one layer of geotextile (6) before laying down the first floor layer (5).

5. Method of floor shallow foundation according to claims 1 to 4, **characterized by that** quarry stone of the grain size 8 to 63 mm is used as the fill (4).

6. Method of floor shallow foundation according to the claims 1 to 5, **characterized by that** the fill (4) is compacted by at least eight travels of roller of 10 to 11 metric tons weight.

7. Method of floor shallow foundation according to the claims 1 to 6, **characterized by that** the fill (4) is created up to the height of at least 25 cm above the cellular foil (3) and then compacted by travels of roller using vibrations.

8. Floor subsoil made by the method according to some of the claims 1 to 7, **characterized by that** it contains a pad from cellular foil (3) with compartments and from the fill (4) between the surface of earth base course (1) and the first floor layer (5) based on concrete, where the cellular foil (3) is in the planar unfolded state and the fill (4) consists of loose material filling the compartments of this cellular foil (3) and reaches at least from the lower edge of the cellular foil (3) at least up to its upper edge.

9. Floor subsoil according to claim 8, **characterized by that** at least one layer of bedding (2) of grain size finer than the fill (4) grain size is located under the cellular foil (3), above the surface of the earth base course (1).

10. Floor subsoil according to claims 8 and 9, **characterized by that** at least one planar unfolded geotextile (6) is located between the first floor layer (5) and the surface of the earth base course (1), preferentially under the cellular foil (3).